

CLAIMS

1. An outer surrounding body for use in construction, characterized in that a plurality of construction sheets in which a thin metal sheet part and a synthetic resin film are constructed in layer form, and each sheet consists of a main sheet, an overlapped part which is formed on one side of this main sheet in the width direction, an overlapping part which is formed on the other side of the main sheet in the width direction, and which can overlap with said overlapped part, and a fastening part which is formed in a substantially flat shape from the outside end of said overlapped part, are disposed side by side, a portion of the main sheet of one construction sheet that is located near the overlapping part is placed on the fastening part of an adjacent construction sheet and the overlapping part is overlapped with said overlapped part, an area extending from the vicinity of the outer ends of the overlapping parts of both construction sheets to the vicinity of the inside corner parts of the overlapped parts is fused with said synthetic resin film via a resin welding member.

2. The construction outer surrounding body according to claim 1, characterized in that a bent end edge 4a with a shape that is folded back above is formed from the outer end of said fastening part.

3. The construction outer surrounding body according to claim 1, characterized in that an engaged part is formed on said overlapped part, an engaging part is formed on the overlapping part in a position corresponding to said overlapped part, and the engaging part is engaged with said engaged part.

4. The construction outer surrounding body according to claim 1, characterized in that an eave location in the end part of said construction sheet in the longitudinal direction and a trough member formed by constructing a thin metal sheet part and a synthetic resin film into layer form are fused with said synthetic resin film via said resin welding member.

5. The construction outer surrounding body according to claim 1, characterized in that said synthetic resin film consists chiefly of a thermoplastic resin.

6. An apparatus for manufacturing an outer surrounding body for use in construction, characterized in that in an apparatus in which a plurality of construction sheets in which a thin metal sheet part and a synthetic resin film are constructed in layer form, and each sheet has a main sheet, an overlapped part which is formed on one side of this main sheet in the width direction, and an overlapping part which is formed on the other side of the main sheet in the width direction, and which can overlap with said overlapped part, are disposed side by side, and resin welding is performed in

the connecting parts where the overlapping parts are caused to overlap with the overlapped parts, the apparatus comprising a resin welder part which is constructed from a car part equipped with a running part that is caused to rotate by a driving part, a welding member feeding apparatus which feeds out the molten resin welding member, and a hot air blast apparatus which heats the connection locations of said adjacent construction sheets.

7. The apparatus for manufacturing an outer surrounding body for use in construction according to claim 6, characterized in that a finishing roll part comprising a tightening roll that tightens the connection locations of the adjacent construction sheets, and a supporting roll, is mounted on said car part.

8. The apparatus for manufacturing an outer surrounding body for use in construction according to claim 6, characterized in that a guide ring which is disposed on the top of the connection locations of said construction sheets that are adjacent in the forward-rearward direction is provided on said car part.

9. The apparatus for manufacturing an outer surrounding body for use in construction according to claim 6, characterized in that said resin welder part can be freely set in an appropriate position along the vertical direction with respect to the car part.

10. The apparatus for manufacturing an outer surrounding body for use in construction according to claim 6, characterized in that a feed-out nozzle that feeds out said resin welding member to the connection locations of said adjacent construction sheets is mounted in the welding member feeding apparatus of said resin welder part, and a molding surface is formed in said feed-out nozzle.

11. The apparatus for manufacturing an outer surrounding body for use in construction according to claim 10, characterized in that said molding surface is formed with a substantially polyhedral shape.

12. The apparatus for manufacturing an outer surrounding body for use in construction according to claim 6, characterized in that a pressing part that presses the main sheets in the vicinity of the connection locations of the adjacent construction sheets is mounted in the feed-out part of said welding member feeding apparatus.

13. The apparatus for manufacturing an outer surrounding body for use in construction according to claim 6, characterized in that the running ring of said running part consists of a front ring part and a rear ring part, and both said front ring part and rear ring part are rotationally driven by said driving part.